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EXECUTIVE SUMMARY

The D.M. Fertilizer Company was placed on CERCLIS

(Comprehensive Environmental Response, Compensation and
Liability Information System) in November of 1989, as a
result of a request for discovery action initiated by the
Illinois Environmental Protection Agency. This action was
taken as a result of a fish kill attributed to the facility
and previous violations which have occurred at the site.

D.M. Fertilizer is located at the intersection of Route three and Route nine, four miles East of Hoopeston, Section 15, Township 23 North, Range 11 West, in Vermillion County. The site occupies approximately seven acres in which three main buildings are located. Farmland surrounds the entire facility, and the closest residence is located approximately 400 feet North-east of the facility.

that edacted exemption (owner) started the facility in 1978. The entire facility consisted of 5.3 acres for 12 years until 1990 when the owner purchased an additional 2 acres on the South side, which adjoins the existing property. The site occupies an area from the railroad tracks on the Eastern boundary, to the intersection of Route 3 and Route 9 to the west. Prior to the establishment of the facility, this tract of land was used for commercial agriculture production.

Compliance history of the facility includes a number of violations which have occurred at the site. In 1983, a fish

kill occurred in the North Fork of the Vermilion River due to the facilities waste water holding pond. The holding pond was suspected to have overflowed allowing contaminants to migrate via drainage ditch the the river killing a significant number of fish. In May of 1984, samples were collected from the holding pond and results revealed moderate to high levels of herbicides in the pond. In June of 1884, an enforcement letter was sent to the facility in regard to the holding pond. In August of 1984, payment for the fish kill from the facilities attorney was received by the Agency. For the next year, correspondence between the facility and the Agency discussed the implementation of the Agency's concerns in regard to the pond and spillage control systems. In 1985, the Illinois Environmental Protection Agency requested the Attorney Generals Office to initiate formal enforcement action against the subject facility. In March of 1989, additional field investigations were conducted to collect more detailed information about the site. In March of 1990, a meeting was held between the facility owner, the Agency, and the Attorney Generals Office to discuss the removal of the pond. Current status of the site includes partial excavation of the pond and continued soil testing to determine the extent of contamination.

A Preremedial site reconnaissance was conducted at 10:35 a.m. on July 23, 1991, by Mr. Gregory A. Spencer of the Illinois Environmental Protection Agency (IEPA). Conditions at the time of the visit were partly sunny skies and a

temperature of 85 degrees. The author met Jeff Holste of the IEPA's Division of Water Pollution Control (DWPC) at the main entrance of the facility. The two IEPA personnel then met with the assistant plant manager and began the inspection of the facility. The first area we observed was the former holding pond area. This area had undergone partial excavation at the time of the reconnaissance inspection. A fish kill in the North Fork of the Vermilion River in 1983 was suspected to have been caused by run-off from this area. Periodic sampling of the holding pond revealed moderate to high levels of herbicides throughout the water and sediment samples. Sample results from the water and sediment in the holding pond can be found in Table 1 of this report. Samples were recently taken of the excavated area to see if all the contaminated soil has been removed. These samples of the excavated area are currently undergoing analysis. Contaminated soil is stock-piled on a plastic liner near the railroad tracks and is covered upon changing weather conditions. We then viewed the Dry Fertilizer and adjoining chemical storage shed. This is the largest building on the property and is located close to the railroad tracks near the Eastern property boundary. Several bins are located inside the building for separation of the various fertilizer mixtures. This building has a concrete floor and the structural condition appeared to be good. Just West of this building, was the adjoining chemical storage and mixing area. This area appeared much the same as the neighboring building.

A list of chemicals stored in this area is provided in Table 2 of this report. Adjacent to the chemical storage shed, was the liquid fertilizer storage and mixing area. Seven tanks occupied this area along with an overhead load-out system. At the time of our inspection, this entire area was under construction due to regulations for containment of chemicals implemented by the Department of Agriculture. After construction is completed, the tanks will be placed into their original area. A description of the storage tanks in this area, and their contents, are provided in Table 3 of this report. The next area we toured was the South-eastern corner of the property. This area had parts of old equipment, scrap metal, and other junk accumulated throughout the years of operation. Several water tanks were located here along with some mini-bulk containers used for the chemicals at the site. At the Southern edge of the property, anhydrous tanks and different truck beds the company uses are parked. This area consisted of dirt and gravel, and bordered a bean field. The last area of the site we observed was the office and shop building at the facility. The front portion of the building (north) was used for office space, while the back portion (south) is used as a maintenance area for equipment used at the plant. Located on the East side of this building is the groundwater well used by the plant. well is constructed to a depth of 230 feet deep and is used extensively by the plant throughout the year. The well is finished in a sand and gravel lens. A sample was taken by

Illinois Environmental Agency personnel from the well September 20, 1989, and the results were found to be clean. Table 1 of this report contains detailed analysis of the results. Following the inspection of the facility, a brief discussion was held between the reconnaissance team and the assistant plant manager to discuss present operations and future plans of the facility.

The author then inspected nearby ditches and an IDOT box culvert which had recent modifications made. Surface water drainage from the site flowed from bordering ditches, to the box culvert on the North side of the facility, and one-half mile North across a farm field to the North Fork of the Vermilion River. Vegetation along the facility ditches and near the box culvert appeared to be stressed.

Area land use consists of farmground in all directions from the facility. No uncommon odors or visible signs of contamination (other than the excavated soil) on the facility were noticed upon casual observance. The author left the facility at 12:45 p.m.

Information pertaining to the geology in the immediate area of the facility is minimal. No well logs are available for much of the area surrounding the site including all of section 15 in which D.M. Fertilizer is located. State Geological Survey records and Well Site Survey reports indicate the geology is quite diverse throughout much of Vermilion County and a consistency of geologic conditions is difficult to obtain. In general, till is present from the

surface to approximately 300 feet deep. Clay layers are present at shallow depths (8 to 10 feet deep) to about 75 feet deep. Although clay is present over much of the county, isolated areas absent of clay have been found. The clay is underlain by alternating layers of sand and gravel to the bedrock. The till is underlain by Pennsylvanian bedrock consisting mainly of shale with thin limestone, sandstone, and coal beds.

U.S.G.S. topographic maps and United States Census data indicate approximately 200 private wells serving an estimated 515 people exist within a 4-mile radius of the site.

Municipal services are provided by the city of Hoopestons three public wells which lie approximately 4.2 miles from the site. These wells range in depth from 98 feet to 110 feet deep and are finished in sand and gravel lenses. These wells serve an estimated 6,700 people. Illinois Environmental Protection Agency records indicate the nearest public well is 4.2 miles from the site, and the nearest private well is approximately 400 feet Northeast of the facility.

After conducting a preliminary assessment on D.M.

Fertilizer, a number of factors enable the author to establish a low priority rating for this site. The volume of soil is estimated to be 474 cubic yards and the owner of the facility is willing to comply with the IEPA regarding a decision on the disposal of the contaminated soil. The IEPA's DWPC has been working extensively on the project since 1983-84 and is confident clean-up objectives at the site are

being met. Since the facility opened in 1978, practices such as loading of chemicals, spill control measures, and rinsing procedures have changed significantly. The plant is presently involved with major structural changes at the facility to comply with regulations established by the Department of Agriculture. Also, all sample results from the on-site well reveal no contamination from chemicals used at the facility. Due to the above mentioned circumstances, the author recommends a low priority status rating to this site.

≎EPA	POTENTIAL HAZA PRELIMINARY PART 1 - SITE INFORMA	ASSES	SMENT	DISTATE	1FICATION 02 SITE NUMBER 087157947
II. SITE NAME AND LOCATION					12: V
D1 SITE NAME (Legal common, or descriptive name of alla)				PECIFIC LOCATION DENTIFIER	
D.M. Fertillzer		Inte OU STATE	rsedion	of Route 3	3 aun d 9
Hoopeston		IL	60942	Vermillion	0700 HIT OB CONS CODE 081 183 19
DO COORDINATES LATITUDE	LONGITUDE	<u> </u>			
Intersection of Rout	te 3 + Route	9 in	Vernil	llion county	1,45 miles
East of Hoopes					
III. RESPONSIBLE PARTIES		Top STREET	(Business, making, rest		
edacted exemption	6		*		
os dir		54 50	OS ZIP COOR	OR TELEPHONE NUMBER	V (0)
OT OPERATOR IS ADDRESS TON	VI		60942	1217 339-224	2]
Some			Same	******* ** **************	
09 CITY	200 2000200000000000000000000000000000	10 STATE	17 ZP CODE	12 TELEPHONE NUMBER	
· Same				1217 339-224	24
13 TYPE OF OWNERSHIP (Check seel) B. A. PRIVATE B. FEDERAL:			. D.C. STATE	CID.COUNTY CIE.M	TUNICIPAL
☐ F. OTHER:	(Agency nema)		. D G. UNKNO	, XWN	USANEMIKSTI W
14 OWNER/OPERATOR NOTIFICATION ON FILE (Chief	(Specify)				
A. RCRA 3001 DATE RECEIVED:	(8) (10) (10) (10) (10) (10) (10) (10) (10	LED WASTE	SITE CERCLA 100	DATE RECEIVED:	# C NONE
IV. CHARACTERIZATION OF POTENTIAL				LONIN	DAY YEAR
01 ON SITE INSPECTION	BY (Checz al that apply)				
NO DATE 7 23 41	D E. LOCAL HEALTH OF			STATE D. OTHE	RICONTRACTOR
02 SITE STATUS (Check one)	CONTRACTOR NAME(S):				
A ACTIVE DB. NACTIVE DC. UN	IKNOWN	147 8	M SHOWS Y	cat dunknon	MN
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRES	ENT, IOIOWN, OR ALLEGED		23 - 23 		
A voriety of	herbicides	10.00	pesti	cides used	din
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRO		7			
Surface water	+ Ground	luat	er (po	pulation to	envolvonuent)
V. PRIORITY ASSESSMENT					W
01 PRIORITY FOR INSPECTION (Check one. If ligh or medi A. HIGH 8. MEDI (Inspection required promothy)	UM C.LOW	ornation and Pari o available beaut	O D. NONE	tions Conditions and Incaperas) or action needed, complete current day	cation forms
VL INFORMATION AVAILABLE FROM	A Section 1				
01 CONTACT	02 OF (Agency/Organ	assort /	1	857	03 TELEPHONE MUMBER
redacted exemption 6 OH PERSON RESPONSIBLE FOR ASSESSMENT	D.M. J	106 ORGA	12cts	07 TELEPHONE NUMBER	00 DATE - 21
Grand AC	TEPA	DI	PC	(212) 524-166	7 29.91

EPA FORMADTO-12 (-81)

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		711
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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

I. IDENTIFICATION

OI STATE OZ SITE NUMBER

T. L. 1007157947

7/1	, ·		PART 2 - WASTE	INFORMATION	IL-1087157941			
IL WASTE ST	ATES, QUANTITIES, AN	D CHARACTERI						
	ATES (Check of their apply)	02 WASTE QUANTI	TY AT SITE	03 WASTE CHARACT				
B POWDER SLUDGE	SOUD ESLURRY POWDER FINES FLOUID TONS SLUDGE GAS CUBIC YARDS		Z un known	TOXIC CORRO C RADIOA O PERSIS	ESOLUE FINFEC CTIVE G FLAM	BLE I HIGHLY I TIOUS J EXPLOS MABLE K REACTI BLE L INCOMP	SIVE TIVE	
HL WASTE T	YPE	<u> </u>		L				
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS			
SLU	SLUDGE			ST S	OJ COMMENTS			
OLW .	OILY WASTE			· · · · · · · · · · · · · · · · · · ·				
SOL	SOLVENTS				 			
PSD	PESTICIDES		unknown		Frate	mount 15	un Known	
occ	OTHER ORGANIC CH	TEMICALS			but augu	+1+1 15 50	/ / / * * 1	
юс	INORGANIC CHEMIC	ALS			to be s	u Al.	- Special	
ACD	ACIOS							
BAS	BASES		,					
MES	HEAVY METALS		<u> 1</u>		I			
	DUS SUBSTANCES 154. 4		· · · · · · · · · · · · · · · · · · ·	·			V	
OI CATEGORY	02 SUBSTANCE N	AME	03 CAS NUMBER	04 STORAGE DIS	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION	
Sol	Alachlor (Lassa)	15972668	Sample +	rom fond	680,000	ppb	
501	ATrazine (Actives/	1912249	1	((260,000	1.1/1	
Sal	(Xanazine	(Blodex)	21725462	- (1	'(1/	630,000	11	
501	TETOLOCHION		51218452		1 /	490,000	()	
201	Triturlin	(Treflan)	ļ	10 1	11 11	410,000	1/	
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V 5550670	0.0		<u> </u>	<u> </u>		<u> </u>	L	
	CKS -See Appendix for C45 Mumb		T	CATEGORY	0. 555002			
CATEGORY	D1 FEEDSTOC	K NAME	02 CAS NUMBER	FDS	O1 FEEDSTO	JCK NAME	02 CAS NUMBER	
FDS FDS			 					
FDS			 	FDS FDS				
FCS		·····	 	FDS	·			
	S OF INFORMATION IC	specific references	. Slate Mes. sample analysis					
					0 1/ 1	C - 1 1		
	on Files n Visit	Û	ivision o	t libiter 1	Poll cetion	Control 1	-11es,	
		L		,		•		
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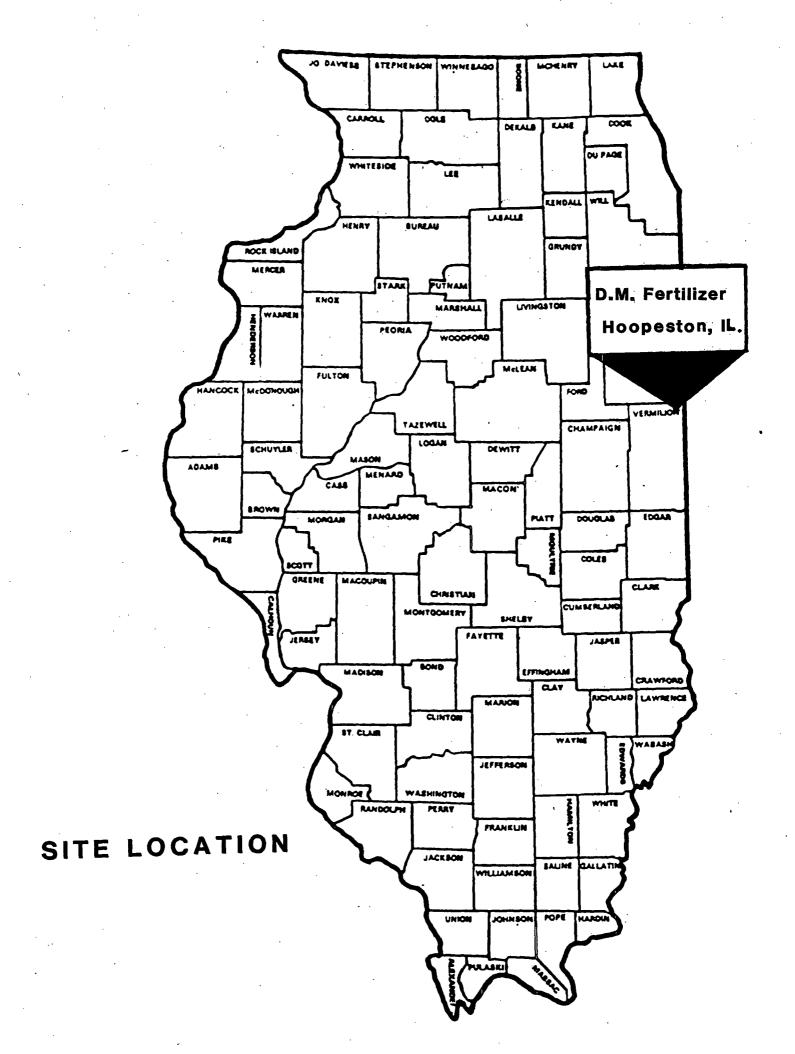
	•	•	e -
POTENTIAL HA	ZARDOUS WASTE SITE	1. IDENTIFICA	
	ARY ASSESSMENT	TL DE	TE MANGER 27 157 947
PART 3 - DESCRIPTION OF HAZ	ARDOUS CONDITIONS AND INCIDENTS	1200	12/74/
IL HAZARDOUS CONDITIONS AND INCIDENTS			
Of U A GROOMBURICH CONTINUE CO	02 DOSERVED (DATE	POTENTIAL	O ALLEGED
03 POPULATION POTENTIALET AFFECTED.			•
None documented o			
01 BB SURFACE WATER CONTAMINATION 3,720	02 DOBSERVED (DATE July 1983)	POTENTIAL	ALLEGED
A fish kill occurred in	the North Forck of t	he Ver	ullion
A TISK FIII OCCUVED IN	4 11 - [114 .		
River in 1983 due to practic	es at the tacility.		•
		POTENTIAL	O ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
None Documented			,
None Nocumented	or observed	•	
01 [] D FIRE/EXPLOSIVE CONDITIONS	02 OBSERVED (DATE	CI POTENTIAL	C ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
	1 . 1		
None documented	ov observed		
	00.00.000.00.00.00.00.00.00.00.00.00.00	<u>.</u>	
02 POOLII ATION POTENTIALLY AFFECTED (14 Th DV 10	ON HARRATIVE DESCRIPTION	POTENTIAL	C ALLEGED
Contaminated soil is stock	-piled at facility	with no	tencing
present.			
preserv.			
01 SE F CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED:	02 D OBSERVED (DATE 2/23/9/ 04 NARRATIVE DESCRIPTION	-POTENTIAL	M ALLEGED
Small amount of contami	115-11 15 5-16-1	aled at	- facility
		inea a i	, deliving
from excountion of hold	ing pond.		
01 D G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED	02 OBSERVED (DATE	O POTENTIAL	O ALLEGED
US POPULATION POTENTIALLY APPECIES	04 NARRATIVE DESCRIPTION		
None documented or	observed.		
1 10 one worthernen ed of			
01 () H. WORKER EXPOSURE/INJURY	02 C OBSERVED (DATE	O POTENTIAL	ALLEGED
03 WORKERS POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
1 11 1 1 1			
None documented o	or observed		
OLG LOCAL AVOIDENCE TO THE PROPERTY OF THE PRO	00 = 00000 = 0		
01 © 1. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED	02 D OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	D POTENTIAL	B ALLEGED

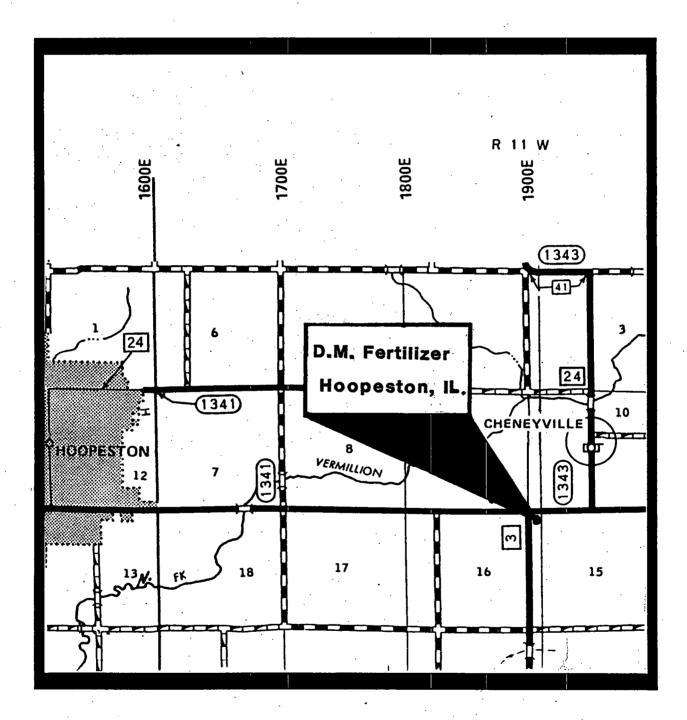
None documented or observed.

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

L IDENTIFICATION

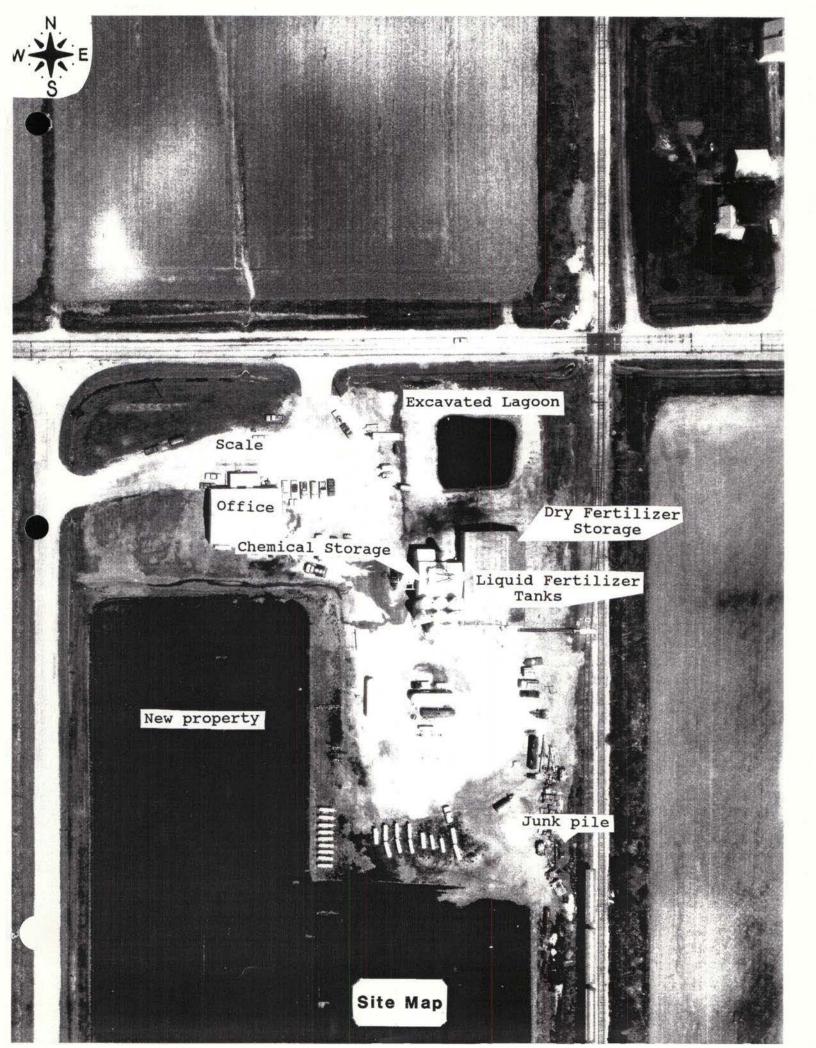
PART 3 - DESCRIPTION OF	HAZARDOUS CONDITIONS AND INCIDENTS 42 1087137947
IL HAZARDOUS CONDITIONS AND INCIDENTS (Comments	
01 () J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 0 OBSERVED (DATE: 7/23/9/) POTENTIAL ALLEGED
Vegetation appeared	stressed in ditch on Northside
01 D K DAMAGE TO FALMA	02 D OBSERVED (DATE:) D POTENTIAL D ALLEGED
04 NARRATIVE DESCRIPTION (Include Namerial of Species)	02 U OBSERVED (DATE:) D POTENTIAL ALLEGED
None documented	
01 ID L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 - OBSERVED (DATE: June 1983) POTENTIAL ALLEGED
Dead fish observed	in the North Fork of the Vermillion
Kiver allows potential	food chain contamination.
01 M M UNSTABLE CONTAINMENT OF WASTES	02 0 OBSERVED (DATE: 7/23/9/) POTENTIAL DALLEGED
If heavy precipitation	occurrs, runoff from contaminated scil roadside ditches.
01 # N DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 LI OBSERVED (DATE: June 1983) DI POTENTIAL ET ALLEGED
	along drainage way which flows into
the Vermillion River	
01 L' O. CONTAMINATION OF SEWERS, STORM DRAINS, WW 04 NARRATIVE DESCRIPTION	/TPs 02 - OBSERVED (DATE:) - POTENTIAL - ALLEGED
None documented	or observed
01 89 P. ILLEGALAUNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 C) OBSERVED (DATE:) C POTENTIAL
Rinsing of tanks int	o holding pond over a period of
several years. No	permit for holding pond.
06 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR A	ULEGED HAZAROS
None documented	or observed
M. TOTAL POPULATION POTENTIALLY AFFECTED:	3,720
IV. COMMENTS	•
-	
V. SOURCES OF INFORMATION (CAN ADMICAL INFORMACIAL O. S., MAI	e files, sample analysis, reports)
Division Files Fac	ility Assistant Manager
Recon Visit He	ility Assistant Manager alth Department
	po Maps

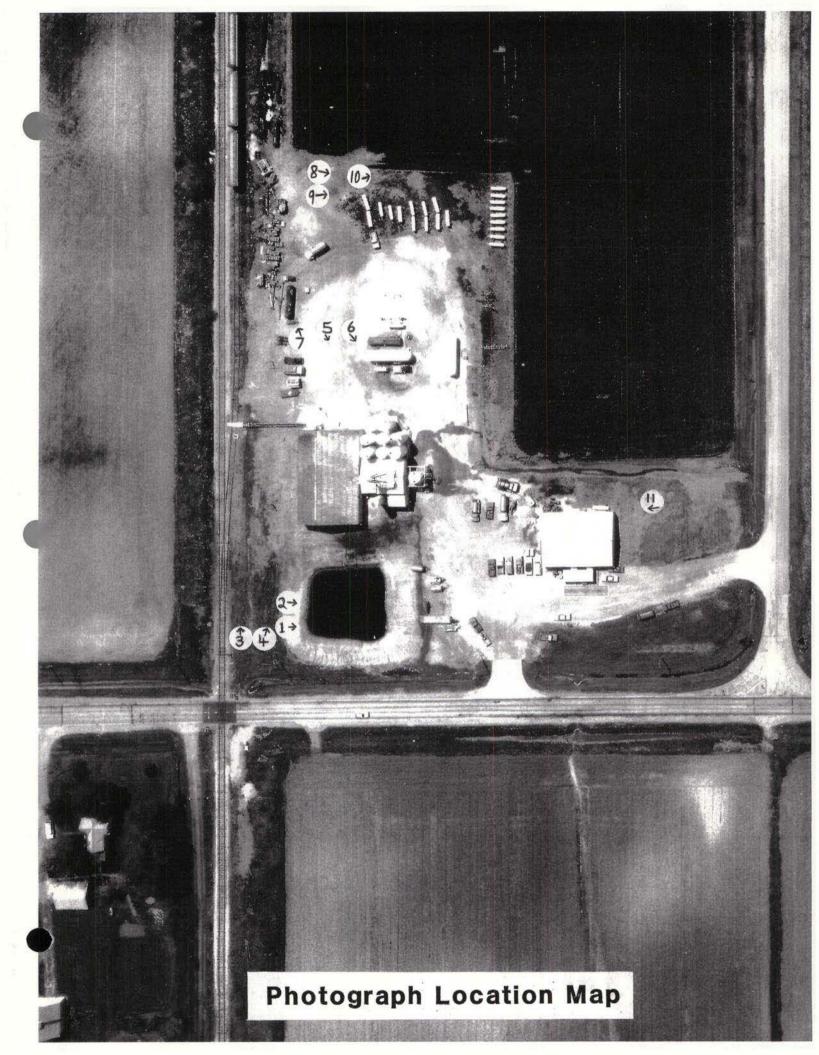


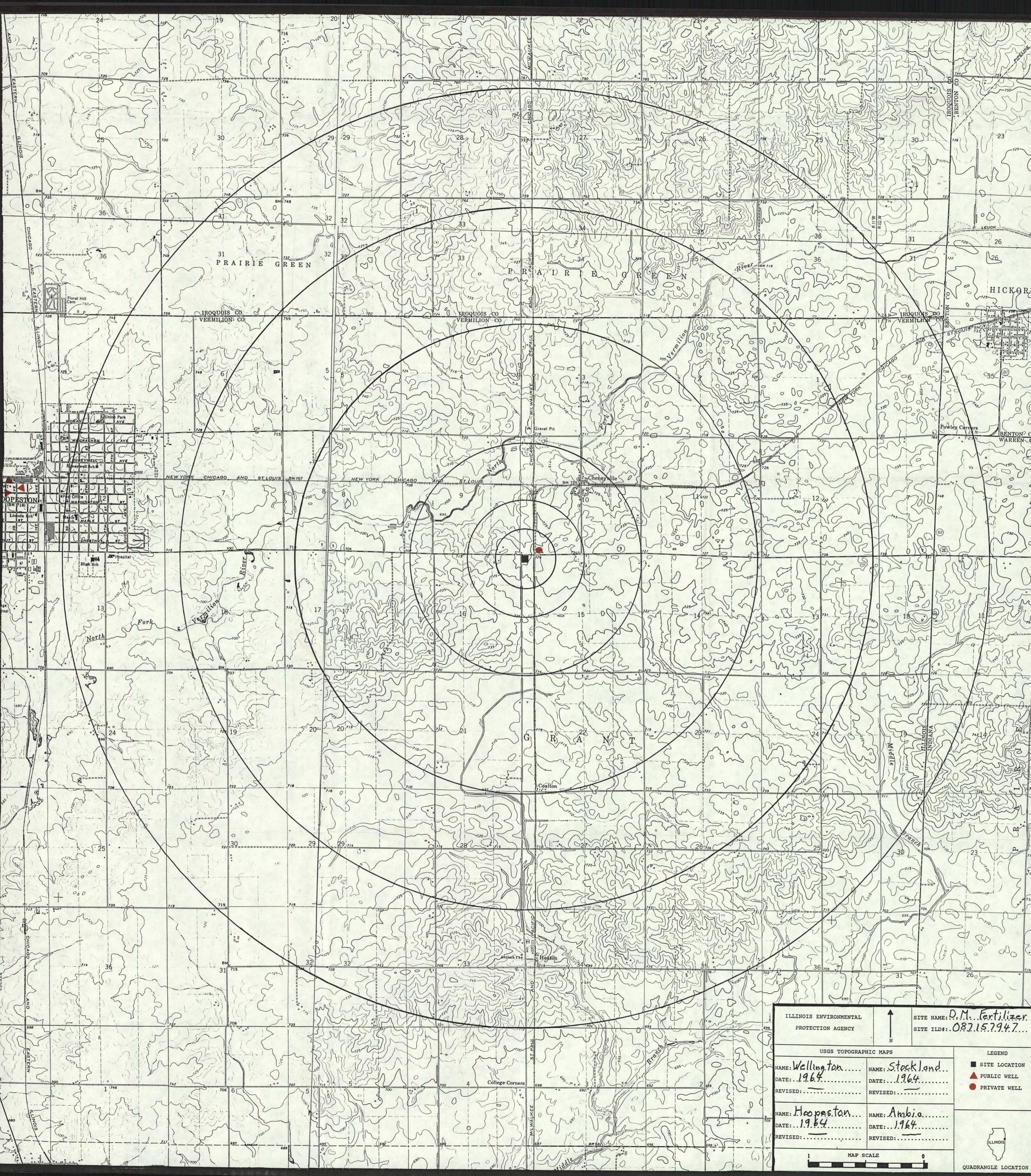


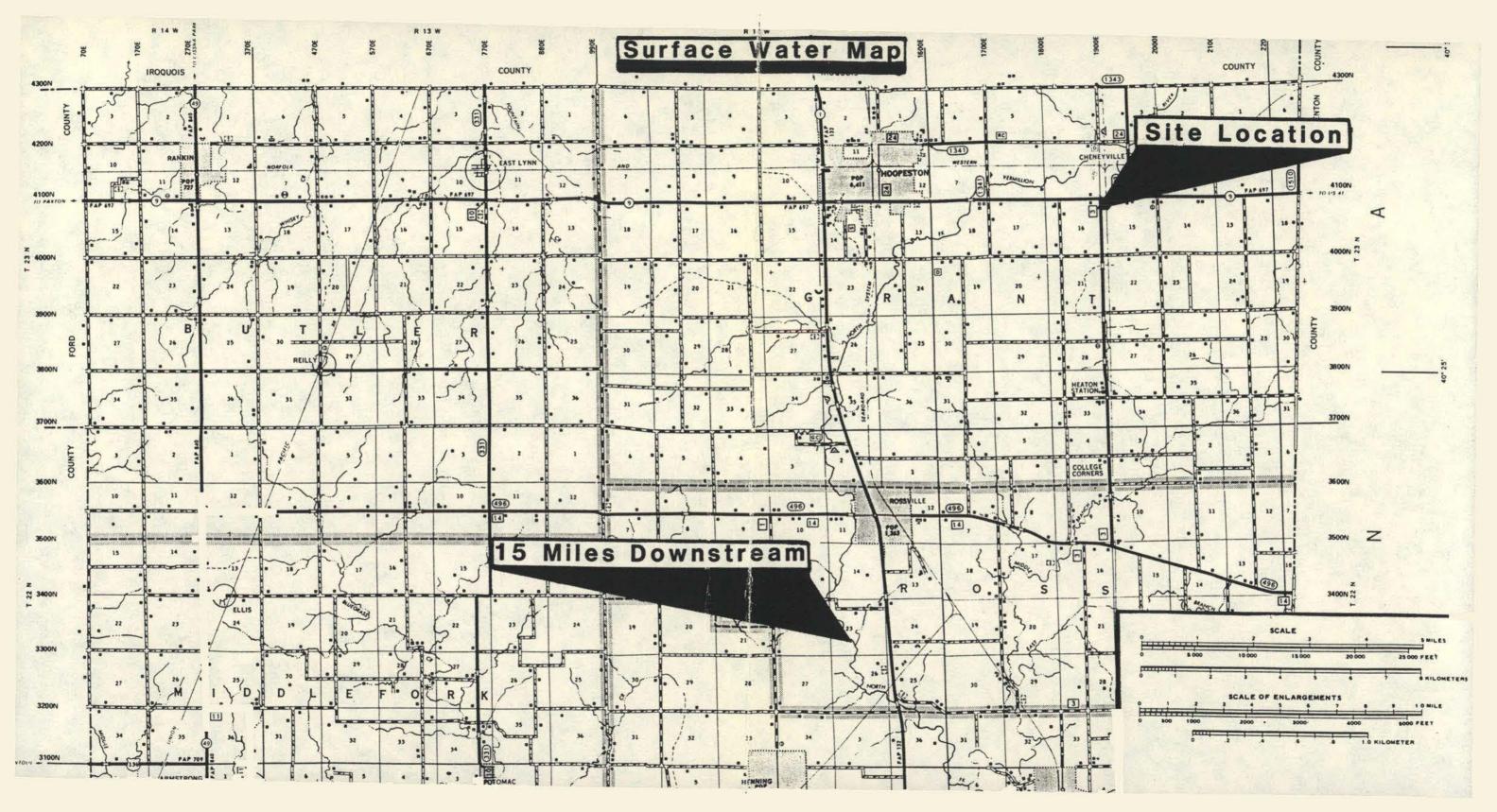
Site Map

(General Site Map for D.M. Fertilizer, Hoopeston, Il.)





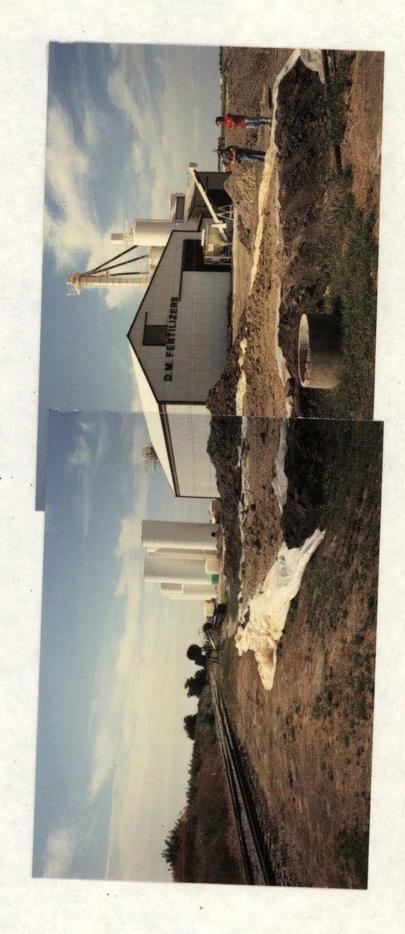




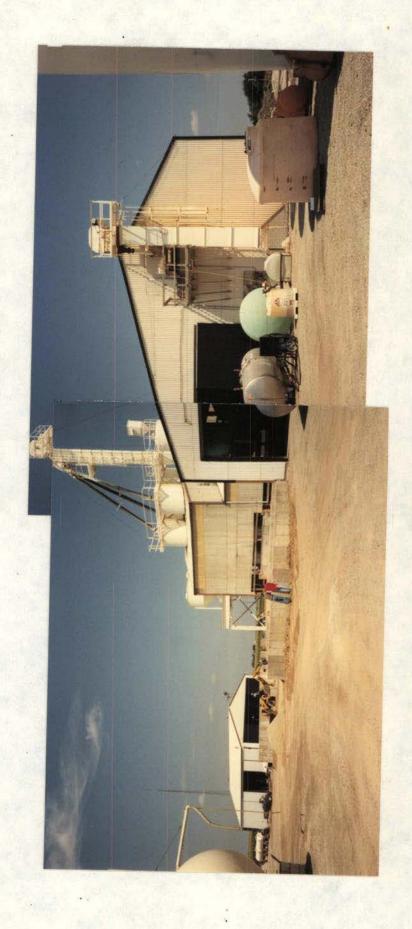
OATE:	7/23/91
TIME: _	10:50 a.m.
Photograp	h by:
Greg	Spencer
Location:	L1833180000
Verm	milion County
Comments:	Picture taken toward
Pict	ure #1 taken toward
West	of excavated lagoon
West	of excavated lagoon
	of excavated lagoon
DATE:	
DATE:	7/23/91 10:50 a.m.
DATE: TIME: Photograp	7/23/91 10:50 a.m.
DATE: TIME: Photograp 	7/23/91 10:50 a.m.
DATE: TIME: Photograp Greg Location:	7/23/91 10:50 a.m. h by:
DATE: TIME: Photograp Greg Location: Verm	7/23/91 10:50 a.m. h by: Spencer
DATE:	7/23/91 10:50 a.m. h by: Spencer



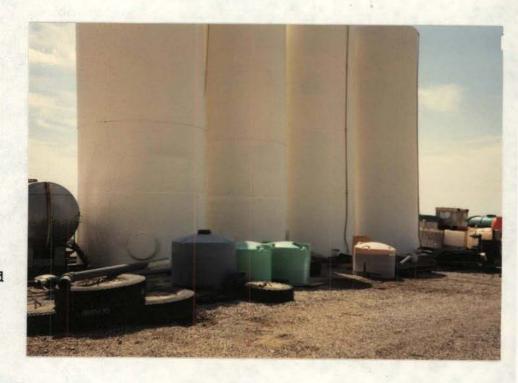
DATE:	1/23/91
TIME:	11:00 a.m.
Photograph	by:
Gı	reg Spencer
Location:	L1833180000
Verm	ilion County
Comments:	Picture taken toward
Picto	re #3 taken toward
South	of contaminated
- Journ	
	pile.
soil	
soil DATE:	pile.
soil DATE:	7/23/91 11:00 a.m.
DATE: TIME: Photograph	7/23/91 11:00 a.m.
DATE: TIME: Photograpi Greg	7/23/91 11:00 a.m.
DATE:	7/23/91 11:00 a.m. n by:
DATE:	7/23/91 11:00 a.m. n by: Spencer L1833180000
DATE:	7/23/91 11:00 a.m. by: Spencer L1833180000



DATE:	7/23/91
TIME:	11:15 a.m.
Photograph	by:
Greg	Spencer
Location:	L1833180000
Verm	ilion County
Comments:	Picture taken toward
Pictu	re #5 taken toward
North	west of new liquid
ferti	llizer area. Also
dry f	ertilizer storage.
DATE:	7/23/91
TIME:	11:15 a.m.
Photograph	by:
Greg	Spencer
Location:	L1833180000
Vermi	lion County
Comments:	Picture taken toward



\TE:	7/23/91
TIME:	11:25 a.m.
Photograph	by:
Gre	g Spencer
Location:	L1833180000
Ver	milion County
Comments:	Picture taken toward
Pic	ture #7 taken toward
Sou	theast of plastic
cher	mical tanks. Also
meta	al water tanks in
bacl	kground.
DATE:	
TIME:	
Photograph	by:
Location:	
Comments:	Picture taken toward



NO PHOTO

DATE: _	7/23/91
TIME: _	11:35 a.m.
Photogra	ph by:
Greg	Spencer
Location	: L1833180000
Vern	milion County
	: Picture taken toward
West	of anhydrous carts
and	truck beds.
DATE: _	7/23/91
TIME: _	11:35 a.m.
Photogra	ph by:
Greg	Spencer
Location	: <u>L1833180000</u>
Verm	dilion County
Comments	: Picture taken toward
"See	previous description'



DATE:	1/23/91
TIME:	11:40 a.m.
Photograph	by:
Greg	Spencer
Location:	L1833180000
Vermi!	Lion County
Comments:	Picture taken toward
Pictur	re # 10 taken
toward	Southwest of new
proper	rty acquired by D.M.
Fertil	izer.



DATE: 7/23/91

TIME: 11:50 a.m.

Photograph by:

Greg Spencer

Location: L1833180000

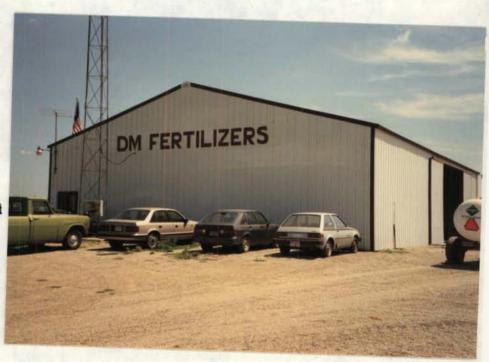
Vermilion County

Picture #11 taken toward

Picture #11 taken toward

East of D.M. Fertilizers

office and shop area.



Supporting

Documentation

Reference Page

- June 19, 1983 analytical results from water samples taken from holding pond.
- 2. October 26, 1986 analytical results from water and sediment samples taken from holding pond.
- 3. September 20, 1989 analytical results from sediment samples taken from holding pond and the facilities onsite private well.
- 4. Well Site Survey Report for Hoopeston indicating depth of wells and geology of the area.
- 5. Illinois Fishing Guide indicating fish species present in North Fork of the Vermilion River.
- 6. Map of observed point of fish kill in North Fork of the Vermilion River in 1983.

D.M. Fertilizer, Inc. - Sample History

	•												
		Parameters (ppb)				Parameters (ppm)							
Date Collected	Sample-type	Alachlor (Lasso)	Atrazine (RAtrex)	Cyanazine (Bladex)	Metolachlor (Dual)	Trifluralin (Treflan)	Ammonia - Nitrogen	Mitrato - Mitrito	Total Phosphorus	BOD	COD	рН	Temp. C (Field)
June 19, 1983	A - Hater	3900	1000			19	875	630	210	10 °	153	7.5	32.2
Hay 3,1984	A - Hater					40 40 40	77		39	4	12	7.7	
Hay 3,1984	B - Hater			'	***		3020		1600				
Hay 3, 1984	C - Hater X	14000	670	420	1500	5k	865		2500				
Hay 3,1984	D - Hater ×	14000	560	1000	2100	5k	865		240				
Oct. 21,1986	J - Hater						~ 11 0		200		510	7.2	
June 26,1989	1 - Water ×	23000	11000	36000	14000	120	2780	1050	1975 .	30	604	7.6	28.9
June 26, 1989	2 - Hater *	26000	10000	36000	13000	170	2800	1090	1935	23	652	7.5	30.0
June 26, 1989	S1 - Soil +	320000	110000	94000	41000	410000							
June 26, 1989	52 - Soil +	25000	15000k	15000	13000	100000					~-		
June 26, 1989	S3 - Soil +	680000	260000	630000	490000	52000	`						
June 26,1989	S4 - Soil	490	100k	350	160	140	~						
Sept. 20,1989	GH - Hater .	0.02k	0.05k	0.05k	0.01k	0.01k	0.52	0.1k	0.01	2		7.9	
Sept. 20, 1989	S5 - Soil	10000	510	910	2400	6700	5.6	291					
Sept. 20,1989	S6 - Soil	1400	280	300	100	610	2.5	148			<u></u> :		

BOD - Biochemical Oxygen Demand

COD - Chemical Omygen Demand k - Less than value

--- Hot Analyzed

× - Holding Pond Sample

1 - Sediment from Holding Pond

June 19,1983 and May 3,1984 samples collected by Steve Baldwin. All other samples collected by Jeffrey P. Holste.

Table 2

Tank No.	<u>Product</u>	<u>Capacity</u>	Construction Material
1,	Sonalon	2,000 gal.	Stainless Steel
2	Dual	2,500 gal.	Stainless Steel
3	Bassagran	3,000 gal.	Polyethylene
4	Marksman-(P	roduct has be	een discontinued)
5	Extrazine	2,500 gal.	Stainless Steel
6	Cannon	3,000 gal.	Stainless Steel

Table 3

Tank No.	Product	Capacity	Construction Material
7	Base (10-30-0)	25,000 gal.	Steel
8	Base (10-30-0)	25,000 gal.	Steel
9	28%	25,000 gal.	Steel
10	28%	30,000 gal.	Steel
11	Liquid Starter (10-34-0)	12,000 gal.	Steel
12	rinsate	20,000 gal.	Steel
13	water	20,000 gal.	Steel



Environmental Protection Agence
State of Illinois
Springfield, Illinois

INTRODUCTION

This report has been prepared by the Agency pursuant to Section 17.1 of the Illinois Environmental Protection Act. The report summarizes information about your facility and samples collected and analyzed from your well(s). The well site survey provides an inventory of the area around the well(s) to help increase your awareness of potential hazards to groundwater utilized by your facility. This information and technical data will assist you in developing and implementing local groundwater protection measures authorized by the Act.

FACILITY DESCRIPTION AND GEOLOGIC PROFILE OF WELL SITES

The City of Hoopeston obtains its water from three drift wells, #4, #5 and #6. Wells #5 and #6 are the main supply wells with #4 being used as a backup. These wells provide an average of 718,000 gallons per day (gpd) to 2,600 services. Table I provides a description of each well as follows:

	Minimum	Maximum			le I Specific	We l l	Well
·		Setback (ft.)	Status	(gpm) (MGD)	Capacity (gpm/ft.) Treatment Aquif	Depth	Logs Available
Well # (45261			ī.			110	No
Well # (45262		No	SB	500 0.576	Aer., Filt. Sand Chl., Fl. and Gravel	- 110	No
Well # (45263		No	Α	1100 1.780	Same Same	104	Yes
Well # (45264		No	A	1500 2.016	Same Same	98	Yes

A - Active I - Inactive

SB - Standby

All three wells utilize an unconsolidated sand and gravel aquifer. The surficial geologic susceptibility (permeability) rating is AX. The aquifer is overlain by aktual sectments with moderate to high permeability. Permeability is a measure of the ability of a soil or sediment to transmit fluids. A complete description and geologic profile is found in the Facility Wells Report (Appendix C).

Normal groundwater flow is estimated to be from north to south, towards the North Fork of the Vermilion River... However, groundwater flow may be influenced by pumping wells.



ILEINOIS DEPARTMENT
OF CONSERVATION
DIVISION OF FISHERIES

in cooperation with

Illinois Department of Commerce and Community Affairs Office of Tourism



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